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PROCUREMENT OFFICE
STATE OF HAWAII

STATE PROCUREMENT OFFICE
NOTICE OF AND REQUEST FOR EXEMPTION FROM CHAPTER 103D, HRS

1. TO: Chief Procurement Officer

2. FROM: Department of Defense/Engineering Office

Department/Division/Agency

Pursuant to §103D-102(b)(4), HRS, and Chapter 3-120, HAR, the Department requests a procurement exemption to purchase the following:

3. Description of goods, services or construction:
Supplement to Contract Number: 58413, CA-2907, Buffer Zone Protection Plan Critical Infrastructure CCTV System for Hawaii, Maui, and Oahu . Contract provides security surviellance and linking critical infrastructure sites into a central location on Oahu for security monitoring. Based on the risk and vulnerabilities deemed by the Department of Homeland Security, Hawaii may received additional buffer sites requiring security montoring.

4. Name of Vendor: HawaiyiaTechnologies, Inc. Address: 98-1809 Nahele Street Aiea, Hawaii 96701		5. Price: $400,000
6. Term of Contract: From: 7/1/11	To: ~~6/30/16~~ dlk 3/31/2012	7. Prior Exemption Ref. No. 0

8. Explanation describing how procurement by competitive means is either not practicable or not advantageous to the State:
The buffer zone protection plan surveillance system was designed so the system can be expanded in the future as the Department of Homeland Security identifies buffer zone sites and allocated the funding to support the sites. While the vendor is on site completing the installation of the surveillance systems for the current six buffer zone sites it would save the State the mobilization charges to have them continue. Since the system is mostly proprietary if we hired another contractor to expand the system, the connections would have to be completed by the current vendor. The vendor has the equipment ready that can be installed for the two additonal sites. Based on security reasons and having the ability for central monitoring, it is safer to have a single vendor perform work required. Buffer Zone sites are considered law enforcement senstitive.

9. Details of the process or procedures to be followed in selecting the vendor to ensure maximum fair and open competition as practicable:
Requesting to continue with original vendor for continuity and security reasons, a single vendor is highly recommended to continue the integration of the buffer zone sites into a center security source. These systems will be managed by the Hawaii State Civil Defense Agency (SCD) and Hawaii State Department of Defense (SDOD). Once the infrastructure is in place multiple buffer zone project is the basis of a statewide system tying all security together from harbors, airports, and other critical infrastructure into a master monitoring area realizing saving and gains in efficiency.

10. A description of the agency's internal controls and approval requirements for the exempted procurement:
On the State side the CRF must go through Contracting and Engineering Officer, Deputy Adjutant General office, and the State Fiscal Office prior to approval. On the federal side, the Program Analyst for the State of Hawaii must review and approve the procurement. An Environmental Historical Preservation Review must also be conducted and approved prior to any funds encumbered. This is to ensure that all contracting regulations state or federal are not being broken.

11. P.E. No. 11-052-D

REQUEST FOR EXEMPTION FROM CHAPTER 103D, HRS (Cont.)

12. A list of agency personnel, by position, who will be involved in the approval process and administration of the contract:

Name	Position	Involvement in Process	
Dolores Cook	Homeland Security Branch Chief	☐ Approval	☒ Administration
Edward Teixeira	Vice Director of Civil Defense	☒ Approval	☐ Administration
Cathy Siu	Contracts Assistant II	☐ Approval	☒ Administration
LTC Neal Mitsuyoshi	Chief Engineering Officer	☒ Approval	☐ Administration
Tom Moriyasu	Business Manager	☒ Approval	☐ Administration
		☐ Approval	☐ Administration

13. Direct inquiries to:
Department: State Civil Defense
Contact Name: Dolores Cook
Phone Number: 808-733-4300 x819
Fax Number: 808-733-4587

Agency shall ensure adherence to applicable administrative and statutory requirements

14. ***I certify that the information provided above is, to the best of my knowledge, true and correct.***

Department Head — Date: 12/22/10

Reserved for SPO Use Only

15. Date Notice Posted 1/19/2011

The Chief Procurement Officer is in the process of reviewing this request for exemption from Chapter 103D, HRS. Submit written objections to this notice to issue an exemption from Chapter 103D, HRS, within seven calendar days or as otherwise allowed from the above posted date to:
Chief Procurement Officer
State Procurement Office
P.O. Box 119
Honolulu, Hawaii 96810-0119

Chief Procurement Officer's comments:

The initial solicitation for six sites were contracted through an RFP and it stated in Appendix B for Digital Video Recording and Management that the video management software shall be based on open architecture and "proprietary solutions that limit access to products and enhancements will not be considered." This request for exemption for HRS chapter 103D is to contract security surveillance for two additional sites that the Department of Homeland Security has deemed additional buffer sites. This request is disapproved because there are numerous vendors that may be able to respond to the requirements as provided in the initial procurement for the six sites. The department is advised to procure using the applicable method of procurement for the additional two and future sites, including the linking of the multiple buffer zones projects.

As a reminder, individual(s) participating in procurement activities are required to be in compliance with Procurement Delegation No. 2010-01 and Amendment 1, and Procurement Circular No. 2010-05, *Statewide Procurement Training*, as appropriate. Procurement requests submitted to the SPO listing departmental personnel without written delegated procurement authority and the appropriate mandatory procurement training will be returned.

16.
☐ **APPROVED** ☑ **DISAPPROVED** ☐ **NO ACTION REQUIRED**

Chief Procurement Officer — Date: 5/13/2011

Buffer Zone Protection Program (BZPP) Project Continuation

This request is a continuation of the BZPP project and will follow the same guidelines and project plans as initially identified. State Civil Defense feels this particular plan allows DHS funding to not only manage the project as required but also forms the basis of an inter-agency, statewide video surveillance system that helps both DHS and the State provide for the safety and security of all the people of Hawaii at minimal cost and maximum efficiency. It is essential that all Hawaii BZPP projects function as one.

Purpose

The Hawaii State Buffer Zone Protection project is designed to provide supplemental security areas outside a defined critical infrastructure facility as a preventative and protective measure to make it difficult for terrorists to conduct surveillance or launch an attack. Under this plan, closed circuit television and intelligent video is used to detect, watch, visually track, notify, indentify and record an intrusion into an area defined in advance. The concept is to detect any person (or object) intruding into the buffer area, notify the monitoring station, activate the video feed, start the DVR and allow the person monitoring to control the camera and while notifying local law enforcement.
This second phase of the Buffer Zone Protection Program (BZPP) continuation project does not include any new construction or modifications to any existing structures. New cameras and ancillary equipment will be installed at up to 36 locations found on or near two sites. This project continues the original BZPP project whereby cameras are strategically mounted on both fixed and portable mounts to insure intrusion detection in the buffer zone around the two additional sites. The installation of this compact equipment will not have any impact on the environment, barring extraordinary circumstances. No ground disturbance will occur. The IP Transport System, System Management Workstations and Off-System connections will have no environmental impact and require only minor additions or modifications. Project does not involve new construction (towers, poles or other structures) at either of the two sites.

The additional Buffer Zone Protection Program sites and proposed tentative budget are identified as follows: Hilton Hawaiian Village Resort and Spa
DSR Logistics Co

Pan-Tilt-Zoom fixed/portable Day/Night Camera, Remote; $7,000.00/18 $126.000.00, Transmission Device, Wireless Remote; $3,000.00/18 $54,000.00, Computer /Server; $20,000.00, Total $200,000.00

Video surveillance is used to support 3 goals: 1. Identifying a threat as soon as possible (e.g., perimeter video analytics), 2. Tracking the movements of an adversary (e.g., cameras outside and inside a facility), and 3. Coordinating a real-time response (e.g., law enforcement accessing the video feed).

Further, the Internet (TCP/IP-based) video surveillance system will provide law enforcement and Civil Defense access to video feeds as mutually determined based on threats identified or anticipated. These systems will be managed by the Hawaii State Civil Defense Agency (SCD) and Hawaii State Department of Defense (SDOD) in close corroboration with approved sites and law enforcement.
This system includes hardware and software that will allow the capture of video images from both analog cameras and IP cameras. Also included are provisions to store the images on PC-based servers local to each facility, monitor images locally, integration to allow remote access, monitoring, and downloading of

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secure, authenticated video images, provisions to integrate the video surveillance (CCTV) systems to other electronic security systems in use at these facilities. Each installation is a turn-key system and each facility has the ability to monitor video as well as alarms. State Civil Defense remains the main monitoring station since many facilities are lightly-staffed overnight and weekends.
Depending on the site structure and property lines, each will have a minimum of four controllable cameras providing a total of 360 degrees of surveillance. In addition to the surveillance of the perimeter of each facility, the proposed cameras will have the ability to monitor roadways, access oaths, beaches and parking lots adjacent to the protected facility. Local law enforcement, Civil Defense and others as determined by SCD will have the ability to monitor and control each camera as well as the digital video recorder.

The components associated with this design are divided into four categories: Edge Devices such as fixed cameras, portable cameras, sensors, and other imaging devices designed for the capture, digital encoding, and transmission of IP based video signals, Server Hardware which will store the video images and allow access to those images through client workstations and remote retrieval software, Client Workstations which will be used to view live images locally and remotely, control cameras, respond to and control integration functions as required, and retrieve images for electronic and physical distribution, and Video Management Software which provides the video analytics to trigger an alarm on an intrusion into a restricted (or buffer) area.

Cameras will be outdoor, day/night and color and of fixed position and positional where appropriate. Video and alarms will be fed from the facility to State CD by transport as determined by the winning bidder. This can be T-1 lines, microwave, RF or similar. The video and alarms would then be made available via Internet to police substations and other agencies as determined by State CD. Digital Video Recording/Management software will record at 30 images per second (ips) in response to an alarm trigger. The DVR will allow single frame photos to be processed and the data handled in such a way as to be admissible in court as evidence. The system will support motion based recording and motion prompted archiving, as well as the ability to alarm and search on the detection of motion in a selected portion of the video image. The system will have the ability of selecting motion only events to be stored from a master video file of all recorded video. When an alarm is received on motion, the system will automatically increase the frame rate to a second, pre-determined frame rate. Through the use of the "intelligent video" predetermined areas under surveillance can be selected as "alert" or "intrusion" triggering an alarm if movement is detected. Addition of these new sites will tie all critical infrastructure facilities together in a network with State Civil Defense as the primary monitoring point. By tying the systems together, all pertinent agencies will receive the same alarm and live video allowing for predetermined responses. This BZPP project is the basis of a statewide system tying all security together from harbors, airports and other critical infrastructure into one master monitoring area realizing tremendous savings and gains in efficiency.

APPENDIX B
Digital Video Recording and Management

1. Video Management Software
   a. The video management software shall be based on open architecture and allow for scaleable solutions. Proprietary solutions that limit access to products and enhancements will not be considered. A scaleable solution shall be sized according to the requirements of each specific site. The basic system architecture will remain the same regardless of size.
   b. The system shall be compatable with *Microsoft™ Windows™ XP SP2*.
   c. Compression quality shall be selectable with a minimum of three levels that can be programmed to maximize operational storage requirements.
      - At the lowest compression level, video images shall be recorded with sufficient resolution, color depth, and quality of image compression as to make the recorded image indistinguishable from a DVD sourced original. No more than 5% of the video image may exhibit compression artifacts.
   d. The compression quality shall be individually programmable for each camera.
   e. The system shall provide a minimum resolution support of 320 x 240 expandable to 640 x 240 and up to 1280 x 1040 without the need for any additional hardware.
2. General Recording and Configuration
   a. Video inputs as determined by law enforcement needs shall have the ability to be recorded full frame and full resolution in such a manner as to allow the individual playback of images utilizing open standard client software either locally or via remote (LAN or WAN) connection.
   b. The system shall support a recording mode that records all video for a selectable programmable period after which time individual video frames can be removed for motion content.
   c. The system shall support motion based recording to decimate unused video clips to extend storage requirements.
   d. The unit shall segment video recordings into three modes; short term, mid term and long term video. All three modes shall be programmable based upon storage duration.
   e. Resolution, frame rate, and recording duration for each camera can be configured separately or in groups.
   f. Camera configuration can be pushed remotely from an administrative server.
   g. Storage details can be programmed per camera.
   h. Devices or device groups can be assigned to specific storage areas and limitations assigned.
3. Image Quality